

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.
HILLMAN, Jennifer L.
YUE, Henry
Y. Tom Tang
AZIMZAI, Yalda

<120> CANCER ASSOCIATED PROTEINS

<130> PF-0661 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/236,205

<151> 1999-01-22

<160> 9

<170> PERL Program

210> 1

<211> 465

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1518859CD1

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Tyr	Tyr	Pro	Asp	Glu	Ser	Tyr	Asn	Glu	Val	Tyr	Ala	Glu	Glu	Val
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Pro	Gln	Ala	Pro	Ala	Leu	Asp	Tyr	Arg	Val	Pro	Arg	Trp	Cys	Tyr
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Thr	Leu	Asn	Ile	Gln	Asp	Gly	Glu	Ala	Thr	Cys	Tyr	Ser	Pro	Lys
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Gly	Gly	Asn	Tyr	His	Ser	Ser	Leu	Gly	Thr	Arg	Cys	Glu	Leu	Ser
			80					85						90
Cys	Asp	Arg	Gly	Phe	Arg	Leu	Ile	Gly	Arg	Arg	Ser	Val	Gln	Cys
			95					100						105
Leu	Pro	Ser	Arg	Arg	Trp	Ser	Gly	Thr	Ala	Tyr	Cys	Arg	Gln	Met
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Arg	Cys	His	Ala	Leu	Pro	Phe	Ile	Thr	Ser	Gly	Thr	Tyr	Thr	Cys
			125					130						135
Thr	Asn	Gly	Val	Leu	Leu	Asp	Ser	Arg	Cys	Asp	Tyr	Ser	Cys	Ser
			140					145						150
Ser	Gly	Tyr	His	Leu	Glu	Gly	Asp	Arg	Ser	Arg	Ile	Cys	Met	Glu
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Asp Gly Arg Trp Ser Gly Gly Gln Pro Val Cys Val Asp Ile Asp
 170 175 180
 Pro Pro Lys Ile Arg Cys Pro His Ser Arg Gln Lys Met Ala Gln
 185 190 195
 Pro Gln Lys Leu Thr Ala Arg Val Tyr Asp Pro Pro Leu Val
 200 205 210
 Lys Asp Ser Ala Asp Gly Thr Ile Thr Arg Val Thr Leu Arg Gly
 215 220 225
 Pro Gln Pro Gly Ser His Phe Pro Gln Gly Gln His Val Ile Arg
 230 235 240
 Tyr Thr Ala Tyr Asp Arg Ala Tyr Asn Arg Ala Ser Cys Lys Phe
 245 250 255
 Ile Val Lys Val Gln Val Arg Arg Cys Pro Thr Leu Lys Pro Pro
 260 265 270
 Gln His Gly Tyr Leu Thr Cys Thr Ser Ala Gly Asp Asn Tyr Gly
 275 280 285
 Ala Thr Cys Gln Tyr His Cys Asp Gly Tyr Asp Arg Gln Gly
 290 295 300
 Thr Pro Ser Arg Val Cys Gln Ser Ser Arg Gln Trp Ser Gly Ser
 305 310 315
 Pro Pro Ile Cys Ala Pro Met Lys Ile Asn Val Asn Val Asn Ser
 320 325 330
 Ala Ala Gly Leu Leu Asp Gln Phe Tyr Gln Lys Gln Arg Leu Leu
 335 340 345
 Ile Ile Ser Ala Pro Asp Pro Ser Asn Arg Tyr Tyr Lys Met Gln
 350 355 360
 Ile Ser Met Leu Gln Ser Thr Cys Gly Leu Asp Leu Arg His
 365 370 375
 Val Thr Ile Ile Gln Leu Val Gly Gln Pro Gln Gln Val Gly
 380 385 390
 Arg Ile Arg Gln Gln Gln Leu Ser Ala Asn Ile Ile Gln Gln Leu
 395 400 405
 Arg Gln Phe Gln Arg Leu Thr Arg Ser Tyr Phe Asn Met Val Leu
 410 415 420
 Ile Asp Lys Gln Gly Ile Asp Arg Asp Tyr Met Gln Pro Val
 425 430 435
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<210> 2

<211> 400

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2616269CD1

<400> 2

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35	40	45			
Leu Arg Arg Phe Thr	Ser Cys Asp Leu Leu	Trp Arg Arg Ile Ala			
50	55	60			
Arg Ala Ser Leu Asn	Ser Gly Phe Thr Arg	Leu Gly Thr Asp Leu			
65	70	75			
Met Thr Ser Val Pro	Val Lys Glu Arg Val	Lys Val Ser Gln Asn			
80	85	90			
Trp Arg Leu Gly Arg	Cys Arg Glu Gly Ile	Leu Leu Lys Trp Arg			
95	100	105			
Cys Ser Gln Met Pro	Trp Met Gln Leu Glu	Asp Asp Ser Leu Tyr			
110	115	120			
Ile Ser Gln Ala Asn	Phe Ile Leu Ala Tyr	Gln Phe Arg Pro Asp			
125	130	135			
Gly Ala Ser Leu Asn	Arg Arg Pro Leu Gly	Val Phe Ala Gly His			
140	145	150			
Asp Glu Asp Val Cys	His Phe Val Leu Ala	Asn Ser His Ile Val			
155	160	165			
Ser Ala Gly Gly Asp	Gly Lys Ile Gly Ile	His Lys Ile His Ser			
170	175	180			
Thr Phe Thr Val Lys	Tyr Ser Ala His Glu	Gln Glu Val Asn Cys			
185	190	195			
Val Asp Cys Lys Gly	Gly Ile Ile Val Ser	Gly Ser Arg Asp Arg			
200	205	210			
Thr Ala Lys Val Trp	Pro Leu Ala Ser Gly	Arg Leu Gly Gln Cys			
215	220	225			
Leu His Thr Ile Gln	Thr Glu Asp Arg Val	Trp Ser Ile Ala Ile			
230	235	240			
Ser Pro Leu Leu Ser	Ser Phe Val Thr Gly	Thr Ala Cys Cys Gly			
245	250	255			
His Phe Ser Pro Leu	Arg Ile Trp Asp Leu	Asn Ser Gly Gln Leu			
260	265	270			
Met Thr His Leu Gly	Ser Asp Phe Pro Pro	Gly Ala Gly Val Leu			
275	280	285			
Asp Val Met Tyr Glu	Ser Pro Phe Thr Leu	Leu Ser Cys Gly Tyr			
290	295	300			
Asp Thr Tyr Val Arg	Tyr Trp Asp Leu Arg	Thr Ser Val Arg Lys			
305	310	315			
Cys Val Met Glu Trp	Glu Glu Pro His Asp	Ser Thr Leu Tyr Cys			
320	325	330			
Leu Gln Thr Asp Gly	Asn His Leu Leu Ala	Thr Gly Ser Ser Tyr			
335	340	345			
Tyr Gly Val Val Arg	Leu Trp Asp Arg Arg	Gln Arg Ala Cys Leu			
350	355	360			
His Ala Phe Pro Leu	Thr Ser Thr Pro Leu	Ser Ser Pro Val Tyr			
365	370	375			
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Asn Leu His Val Leu	Asp Phe Gln Asn Pro				
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<211> 146

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<210> 5

<211> 1888

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2616269CB1

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<210> 6

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3117642CB1

<400> 6

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gaagagagag aggatgaggg agcatctgca gctcaagggc aggagcctga agctgatagc 300
caggaactgg ttccagccaaa gactgggtgt gagcttgagg atggtcctga taccaagagg 360
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caggagttgg gctgccaaa tccagaggag gtgaaaacac ctgaggaaga tgaagggcaa 540
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<210> 7

<211> 464

<212> PRT

<213> Rattus norvegicus

<300>

<308> GenBank ID No: g1345423

<400> 7

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              20              25              30
Phe Pro Gly Ser Gly Asp Ser Pro Leu Glu Asp Asp Gly Val Trp
              35              40              45
Ser Ser His Ser Leu Tyr Lys Asp Thr Pro Trp Cys Ser Pro Ile
              50              55              60
Lys Val Lys Tyr Gly Asp Val Tyr Cys Arg Ala Pro Pro Gly Gly
              65              70              75
Tyr Tyr Lys Thr Ala Leu Gly Thr Arg Cys Asp Ile Arg Cys Arg

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	80	85	90
Lys Gly Tyr Glu	Leu His Gly Ser Ser	Gln Leu Val Cys Gln Ser	
	95	100	105
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	110	115	120
Pro Thr Leu Thr	Met Pro Ala Asn Gly	Gly Phe Lys Cys Val Asp	
	125	130	135
Gly Ala Tyr Phe	Asn Ser Arg Cys Glu	Tyr Tyr Cys Ser Pro Gly	
	140	145	150
Tyr Thr Leu Lys	Gly Glu Arg Thr Val	Thr Cys Met Asp Asn Lys	
	155	160	165
Ala Trp Ser Gly	Arg Pro Ala Ser Cys	Val Asp Met Glu Pro Pro	
	170	175	180
Arg Ile Lys Cys	Pro Ser Val Lys Glu	Arg Ile Ala Glu Pro Asn	
	185	190	195
Lys Leu Thr Val	Arg Val Ser Trp Glu	Thr Pro Glu Gly Arg Asp	
	200	205	210
Thr Ala Asp Gly	Ile Leu Thr Asp Val	Ile Leu Arg Gly Leu Pro	
	215	220	225
Pro Gly Ser Asn	Phe Pro Glu Gly Asp	His Lys Ile Glu Tyr Thr	
	230	235	240
Val Tyr Asp Arg	Ala Glu Asn Lys Gly	Thr Cys Lys Phe Arg Val	
	245	250	255
Lys Val Arg Val	Arg Arg Cys Gly Lys	Leu Asn Ala Pro Glu Asn	
	260	265	270
Gly Tyr Met Lys	Cys Ser Ser Asp Gly	Asp Asn Tyr Gly Ala Thr	
	275	280	285
Cys Glu Phe Ser	Cys Ile Gly Gly Tyr	Glu Leu Gln Gly Ser Pro	
	290	295	300
Ala Arg Val Cys	Gln Ser Asn Leu Ala	Trp Ser Gly Thr Glu Pro	
	305	310	315
Ser Cys Ala Ala	Met Asn Val Asn Val	Gly Val Arg Thr Ala Ala	
	320	325	330
Ala Leu Leu Asp	Gln Phe Tyr Glu Lys	Arg Arg Leu Leu Ile Val	
	335	340	345
Ser Thr Pro Thr	Ala Arg Asn Leu Leu	Tyr Arg Leu Gln Leu Gly	
	350	355	360
Met Leu Gln Gln	Ala Gln Cys Gly Leu	Asp Leu Arg His Ile Thr	
	365	370	375
Val Val Glu Leu	Val Gly Val Phe Pro	Thr Leu Ile Gly Arg Ile	
	380	385	390
Arg Ala Lys Ile	Met Pro Pro Ala Leu	Ala Leu Gln Leu Arg Leu	
	395	400	405
Leu Leu Arg Ile	Pro Leu Tyr Ser Phe	Ser Met Val Leu Val Asp	
	410	415	420
Lys His Gly Met	Asp Lys Glu Arg Tyr	Val Ser Leu Val Thr Pro	
	425	430	435
Met Ala Leu Phe	Asn Leu Ile Asp Thr	Phe Pro Leu Arg Lys Glu	
	440	445	450
Glu Met Ile Leu	Gln Ala Glu Met Gly	Gln Ser Cys Asn Thr	
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<210> 8

<211> 278

<212> PRT

<213> Homo sapiens

<300>

<308> GenBank ID No: g487348

<400> 8

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          20          25          30
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          35          40          45
Ala Arg Thr Arg Pro Arg Glu Glu Ala Glu Gly Gly Gly Ser Val
          50          55          60
Glu Glu Gly Ala Arg Gly Ile Ile Lys Gly Asp Glu Gly Ser Val
          65          70          75
Gly Ala Gly Lys Glu Ala Gln Gly Arg Lys Tyr Gly Lys Glu Glu
          80          85          90
Trp Arg Val Arg Ala Arg Arg Arg Glu Gly Ala Arg Pro Gly Arg
          95          100         105
Val Gln Gly Gln Gly Gly Gln Val Trp Ala Tyr Ile Pro Gly Thr
          110         115         120
Gly Ala Ala Met Ala Ala Ala Ala Arg Glu Glu Glu Glu Glu Ala
          125         130         135
Ala Arg Glu Ser Ala Ala Cys Pro Ala Ala Gly Pro Ala Leu Trp
          140         145         150
Arg Leu Pro Glu Val Leu Leu Leu His Met Cys Ser Tyr Leu Asp
          155         160         165
Met Arg Ala Leu Gly Arg Leu Ala Gln Val Tyr Arg Trp Leu Trp
          170         175         180
His Phe Thr Asn Cys Asp Leu Leu Arg Arg Gln Ile Ala Trp Ala
          185         190         195
Ser Leu Asn Ser Gly Phe Thr Arg Leu Gly Thr Asn Leu Met Thr
          200         205         210
Ser Val Pro Val Lys Val Ser Gln Asn Trp Ile Val Gly Cys Cys
          215         220         225
Arg Glu Gly Ile Leu Leu Lys Trp Arg Cys Ser Gln Met Pro Trp
          230         235         240
Met Gln Leu Glu Asp Asp Ala Leu Tyr Ile Ser Gln Ala Asn Phe
          245         250         255
Ile Leu Ala Tyr Gln Phe Arg Pro Asp Gly Ala Ser Leu Asn Arg
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Gln Pro Leu Gly Val Cys Trp Ala
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<210> 9

<211> 116

<212> PRT

<213> Homo sapiens

<300>

<308> GenBank ID No: g3511023

<400> 9

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				20					25					30
Phe	Ser	Asp	Glu	Val	Glu	Pro	Ala	Thr	Pro	Glu	Glu	Gly	Glu	Pro
				35					40					45
Ala	Thr	Gln	Arg	Gln	Asp	Pro	Ala	Ala	Ala	Gln	Glu	Gly	Glu	Asp
				50					55					60
Glu	Gly	Ala	Ser	Ala	Gly	Gln	Gly	Pro	Lys	Pro	Glu	Ala	Asp	Ser
				65					70					75
Gln	Glu	Gln	Gly	His	Pro	Gln	Thr	Gly	Cys	Glu	Cys	Glu	Asp	Gly
				80					85					90
Pro	Asp	Gly	Gln	Glu	Met	Asp	Pro	Pro	Asn	Pro	Glu	Glu	Val	Lys
				95					100					105
Thr	Pro	Glu	Glu	Gly	Glu	Lys	Gln	Ser	Gln	Cys				
				110					115					